

**OPERATION AND MAINTENANCE PLAN
SEDIMENT BASIN
CODE 350**

Landowner/Operator _____

Job Location _____ GPS _____

Prepared By _____ Date _____

Operation and Maintenance Items

A properly operated and maintained Sediment Basin is an asset to your farm. This structure was designed and installed to entrap sediment and provide storage of runoff water for beneficial use. The estimated life span of this installation is at least 10 years. The life of this installation can be assured and usually increased by developing and carrying out an effective operation and maintenance program. An effective program includes:

- ☐ Erosion, settlement or cracks in earthen sections must be investigated (to determine the cause) and repaired.
- ☐ Periodically inspect spillways and control gates, valves and weirs for proper functioning and their ability to maintain the water level to design elevations. Remove debris or flow blockages.
- ☐ Inspect metal surfaces for rust and other damage. Especially inspect sections in contact with earthfill and/or other materials. Repair or replace damaged sections and apply a protective covering.
- ☐ Inspect concrete for accelerated weathering, spalling, settlement, misalignment or cracks. Repair defects.
- ☐ Inspect rock riprap for accelerated weathering and displacement. Repair to original grades if necessary.
- ☐ Make sure all structure drains are functional and soil is not being transported through the drainage system. Screens and/or rodent guards must be maintained and in place.
- ☐ Repair any rodent, burrowing animal, vandalism, vehicle, or livestock damage.
- ☐ Remove accumulated debris in or near the sediment basin. Remove sediment when the basin is full.
- ☐ Maintain vigorous growth of vegetative coverings. This includes reseeding, fertilization, and application of herbicides when necessary. Periodic mowing or controlled grazing may also be needed to control height.
- ☐ If fences are installed, they must be maintained to prevent unauthorized or livestock entry.

Other _____
